



JUN 13 2007

Express Mail No. EV 882 291 817 US

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	6	Attorney Docket No.	375430-002T1D1C1 (355479)
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<i>Complete if Known</i>	
Application Number	10/690,045
Filing Date	October 20, 2003
First Named Inventor	Ottoboni et al.
Group Art Unit	1615
Examiner Name	Kevin J. Capps
Confirmation No.	3501

U.S. PUBLISHED DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Publication Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	A03	US-3,743,604	A	Schoring et al.	07-03-1973
	A04	US-4,718,433	A	Feinstein	01-12-1988
	A05	US-4,880,634	A	Speiser	11-14-1989
	A06	US-5,041,292	A	Feijen	08-20-1991
	A07	US-5,271,961	A	Mathiowitz et al.	12-21-1993
	A08	US-5,310,540	A	Giddey et al.	05-10-1994
	A09	US-5,425,366	A	Schering	06-20-1995
	A10	US-5,501,863	A	Rossling et al.	03-26-1996
	A11	US-5,518,709	A	Sutton et al.	05-21-1996
	A12	US-5,542,935	A	Unger et al.	08-06-1996
	A13	US-5,560,364	A	Porter	10-01-1996
	A14	US-5,562,893	A	Lohrmann	10-08-1996
	A15	US-5,565,215	A	Gref et al.	10-15-1996
	A16	US-5,569,468	A	Modi	10-29-1996
	A17	US-5,611,344	A	Bernstein et al.	03-18-1997
	A18	US-5,620,883	A	Shao et al.	04-15-1997
	A19	US-5,679,377	A	Bernstein et al.	10-21-1997
	A20	US-5,707,607	A	Quay	01-13-1998
	A21	US-5,711,933	A	Bichon et al.	01-27-1998
	A22	US-5,730,955	A	Lormann	03-24-1998
	A23	US-5,837,221	A	Bernstein et al.	11-17-1998
	A24	US-5,863,520	A	Bichon et al.	01-26-1999
	A25	US-5,919,434	A	Dugstad et al.	07-06-1999
	A26	US-5,922,304	A	Unger	07-13-1999
	A27	US-5,948,387	A	Unger et al.	09-07-1999
	A28	US-6,028,066	A	Unger	02-22-2000
	A29	US-6,045,777	A	Church et al.	04-04-2000
	A30	US-6,068,857	A	Weitschies et al.	05-30-2000
	A31	US-6,120,805	A	Spenlehauer et al.	09-19-2000
	A32	US-6,139,819	A	Unger et al.	10-31-2000
	A33	US-6,200,548	B1	Bichon et al.	03-13-2001
	A34	US-6,205,352	B1	Carroll	03-20-2001
	A35	US-6,207,135	B1	Rossling et al.	03-27-2001
	A36	US-6,224,554	B1	Tickner et al.	05-01-2001

Examiner Signature	<i>Charles L</i>	Date Considered	13667889.1 BUSINESS <i>7/31/02</i>
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Sheet	2	of	6		

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VL	A37	US-6,444,192	B1	Mattrey	09-03-2002
	A38	US-2001/0012522	A1	Ottoboni et al.	08-09-2001
	A39	US-2003/0118649	A1	Gao et al.	06-26-2003
	A40	US-2005/0113697	A1	Ottoboni et al.	05-26-2005
	A41	USSN 09/637,516		Ottoboni et al.	08-11-2000 filing date
	A42	USSN 10/977,100		Ottoboni et al.	10-28-2004 filing date
	A43	US-5,770,222	A	Unger et al.	06-23-1998
	A44				

Examiner Signature		Date Considered	7/31/02	13667889.I.BUSINESS
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	A39	US-2003/0118649	A1	Gao et al.	06-26-2003
	A40	US-2005/0113697	A1	Ottoboni et al.	05-26-2005
	A41	USSN 09/637,516		Ottoboni et al.	08-11-2000 filing date
	A42	USSN 10/977,100		Ottoboni et al.	10-28-2004 filing date
	A43	US-5,770,222	A	Unger et al.	06-23-1998
	A44				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Date of Publication of Cited Document MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>2</sup>	
		Office	Number	Kind Code (if known)			Yes	No
	B05	AU	30351/89	B	03-18-1998	Schering AG		
UL	B06	CA	2 342 912	A1	03-09-2000	Point Biomedical Corp.		
	B07	DE	44 16 818	A1	11-16-1995	Schering AG	X	
	B08	EP	0 224 934	B1	06-10-1987	Feinstein, Steven B.		
	B09	EP	0 398 935	B1	11-28-1990	Schering AG		
	B10	EP	0 441 468	B1	08-14-1991	Schering AG		
	B11	EP	0 512 693	A1	11-11-1992	Delta Biotechnology Ltd.		
	B12	EP	0 523 183	B1	01-20-1993	Rhone Poulenc Rorer SA		
	B13	EP	0 681 843	A2	11-15-1995	Andaris Ltd.		
UL	B14	GB	2 256 183	B	12-02-1992	Delta Biotechnology Ltd.		
	B15	WO	89/06978	A	08-10-1989	Schering AG	X	
	B16	WO	92/18164	A1	10-29-1992	Delta Biotechnology Ltd.		
	B17	WO	98/48783	A	11-05-1998	Point Biomedical Corp.		
	B18	WO	98/48838	A1	11-05-1998	Nycomed Imaging AS		
✓	B19	WO	01/12071	A	02-22-2001	Point Biomedical Corp.		

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OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS					
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			Yes	No	
<i>JK</i>	C03	International Search Report from PCT/US98/08827 dated 07-30-1998 (Docket No. 375430-002WO)			
	C04	Written Opinion from PCT/US98/08827 dated 03-11-1999 (Docket No. 375430-002WO)			
	C05	International Preliminary Examination Report from PCT/US98/08827 dated 03-16-2000 (Docket No. 375430-002WO)			
	C06	International Search Report from PCT/US00/22097 dated 10-13-2000 (Docket No. 375430-009WO)			
	C07	Written Opinion from PCT/US00/22097 dated 06-15-2001 (Docket No. 375430-009WO)			
	C08	International Preliminary Examination Report from PCT/US00/22097 dated 09-27-2001 (Docket No. 375430-009WO)			
	C09	European Search Report (supplementary partial) from EP Serial No. 00954000.6 dated 09-15-2004 (Docket No. 375430-009EP)			
	C10	International Search Report from PCT/US04/36537 dated 05-30-2006 (Docket No. 375430-016WO)			
	C11	Written Opinion from PCT/US04/36537 dated 05-30-2006 (Docket No. 375430-016WO)			
	C12	Office Action from AU Serial No. 71730/98 dated 11-13-2000 (Docket No. 375430-002AU)			
	C13	Office Action from CA Serial No. 2,289,088 dated 02-22-2006 (Docket No. 375430-002CA)			
	C14	Office Action from DE Serial No. 198 82 362.2-41 dated 06-26-2006 (Docket No. 375430-002DE)	X		
	C15	Office Action from DE Serial No. 198 82 362.2-41 dated 02-05-2007 (Docket No. 375430-002DE)	X		
	C16	Search Report from EP Serial No. 98918899.0 dated 01-26-2004 (Docket No. 375430-002EP)			
	C17	Office Action from EP Serial No. 98918899.0 dated 06-10-2005 (Docket No. 375430-002EP)			

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			Yes	No	
<i>KL</i>	C18	Office Action from EP Serial No. 98918899.0 dated 03-17-2006 (Docket No. 375430-002EP)			
	C19	Office Action from GB Serial No. 9925661.2 dated 11-27-2000 (Docket No. 375430-002GB)			
	C20	Office Action from GB Serial No. 9925661.2 dated 07-06-2001 (Docket No. 375430-002GB)			
	C21	Office Action from GB Serial No. 9925661.2 dated 09-25-2001 (Docket No. 375430-002GB)			
	C22	Office Action from MX Serial No. 999986 dated 05-2003 (Docket No. 375430-002MX)	X		
	C23	Office Action from MX Serial No. 999986 dated 11-2003 (Docket No. 375430-002MX)	X		
	C24	Office Action from MX Serial No. 999986 dated 09-2005 (Docket No. 375430-002MX)	X		
	C25	Office Action from US Serial No. 08/847,153 dated 06-15-1998 (Docket No. 375430-002US)			
	C26	Office Action from US Serial No. 08/847,153 dated 02-22-1999 (Docket No. 375430-002US)			
	C27	Office Action from US Serial No. 09/070,474 dated 12-22-1999 (Docket No. 375430-002T1US)			
	C28	Office Action/Notice of Allowance from US Serial No. 09/070,474 dated 12-22-1999 (Docket No. 375430-002T1US)			
	C29	Office Action from US Serial No. 09/758,988 dated 06-27-2002 (Docket No. 375430-002T1D1US)			
	C30	Office Action from US Serial No. 09/758,988 dated 02-26-2003 (Docket No. 375430-002T1D1US)			
	C31	Office Action from US Serial No. 09/758,988 dated 06-03-2004 (Docket No. 375430-002T1D1US)			
	C32	Office Action from US Serial No. 09/758,988 dated 01-27-2005 (Docket No. 375430-002T1D1US)			

Examiner Signature	<i>Kevin J. Capps</i>	Date Considered	7/3/03	3667889.1.BUSINESS
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			Yes	No	
	C33	Office Action from US Serial No. 09/758,988 dated 01-19-2007 (Docket No. 375430-002T1D1US)			
	C34	Office Action from US Serial No. 09/637,516 dated 12-10-2001 (Docket No. 375430-009US)			
	C35	Office Action from US Serial No. 09/637,516 dated 06-27-2002 (Docket No. 375430-009US)			
	C36	Office Action from US Serial No. 09/637,516 dated 12-31-2002 (Docket No. 375430-009US)			
	C37	Office Action from US Serial No. 09/637,516 dated 09-23-2003 (Docket No. 375430-009US)			
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	C39	Office Action from US Serial No. 09/637,516 dated 10-19-2005 (Docket No. 375430-009US)			
	C40	Office Action from US Serial No. 09/637,516 dated 01-23-2007 (Docket No. 375430-009US)			
	C41	Andre et al., 1990, "Physical and Acoustical Properties of Perfluoroctylbromide, an Ultrasound Contrast Agent," Investigative Radiology 25(9):983-987			
	C42	Andre et al., 1993, "Enhancement of the Echogenicity of Flowing Blood by the Contrast Agent Perflubron," Investigative Radiology 28(6):502-506			
	C43	Bazile et al., 1992, "Body Distribution of Fully Biodegradable [14C]-poly(lactic acid) Nanoparticles Coated With Albumin after Parenteral Administration to Rats," Biomaterials 13(15):1093-1102			
	C44	DeCicco et al., 1988, "Lymphoscintigraphy and Radioguided Biopsy of the Sentinel Axillary Node in Breast Cancer," J. Nucl. Med. 39(12):2080-2084			
	C45	DeCicco et al., 1998, "Intraoperative Localization of the Sentinel Node in Breast Cancer: Technical Aspects of Lymphoscintigraphic Methods," Semi. Surg. Oncol. 15:268-271			
	C46	Forsberg et al, 2001, "Physics of Contrast Microbubbles," Chapter 2 of Ultrasound Contrast Agents Text Book, 2 <sup>nd</sup> Edition, Martin Dunitz Ltd., pp. 15-24			

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			Yes	No	
<i>KL</i>	C47	Hughes et al., 2001, "Comparison of Ultrasound Scattering Properties of Optison® with a Liquid Perfluorocarbon Nanoparticle Contrast Agent," 2001 IEEE Ultrasonics Symposium, pp. 1675-1678			
	C48	Kremkau, Frederick W., 1988, "Diagnostic Ultrasound: Principles and Instruments," 5 <sup>th</sup> Edition, W.B. Saunders Company pp. 1-3, 10-11, 24-25, 32-33, 38-39, 48-49, 60-61, 82-83, 86-87, 106-107, 114-115, 144-145, 180-181, 188-189, 218-223, 234-235, 270-271, 282-283, 336-337, 362-365, 420-421, 452-453 and 472-473			
	C49	Linehan et al., 1999, "Sentinel Lymph Node Biopsy in Breast Cancer: Unfiltered Radioisotope is Superior to Filtered," J. Am. Coll. Surgery 188(4):377-381			
	C50	Lubbers et al., 1976, "An Ultrasonic Detector for Microgasemboli in a Bloodflow Line," An Ultrasound in Med. & Biol. 2:301-310			
	C51	Mattrey et al., 1982, "Perfluorooctylbromide: A Liver/Spleen-Specific and Tumor-Imaging Ultrasound Contrast Material," Radiology 145:759-762			
	C52	Medwin, 1977, "Counting Bubbles Acoustically: A Review," Ultrasonics 15:7-13			
	C53	Ngo et al., 2000, "Evaluation of Liquid Perfluorocarbon Nanoparticles as a Blood Pool Contrast Agent Utilizing Power Doppler Harmonic Imaging," 2000 IEEE Ultrasonic Symposium, pp. 1931-1934 (w/ Fig. 3 & 4 enlarged for enhancement) (total of 6 sheets)			
	C54	Ottoboni et al., "Microparticles Useful as Ultrasonic Contrast Agents and for Drug Delivery," 1999, Database Derwent on East AN 1999-009363. WO98/48783 11/1998 Abstract			
	C55	Paganelli et al., 1998, "Optimized Sentinel Node Scintigraphy in Breast Cancer," Q.J. Nucl. Med. 42:49-53			
<i>KL</i>	C56	Swartz, 2001, "The Physiology of the Lymphatic System," Advance Drug Delivery Reviews 50:3-20			

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